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|---|--------------------------------|--|
| <b>Search Notes</b>   | <b>Application/Control No.</b> | <b>Applicant(s)/Patent Under Reexamination</b> |
|   | 10580346                       | NAMBA ET AL.                                   |
|  | <b>Examiner</b>                | <b>Art Unit</b>                                |
|   | ROBERT HUBER                   | 2892   |

## SEARCHED

| <b>Class</b> | <b>Subclass</b> | <b>Date</b>     | <b>Examiner</b> |
|--------------|-----------------|-----------------|-----------------|
| 257          | 77              | 6 February 2008 | Robert Huber    |
| 257          | E21.041         | 08/29/09        | RH              |

## SEARCH NOTES

| <b>Search Notes</b>  | <b>Date</b>          | <b>Examiner</b> |
|--|----------------------|-----------------|
| Inventor Search - EAST (USOCR, USPAT, USPGPUB) - See Printout  | 6 February 2008      | Robert Huber    |
| PLUS Search - Keywords: diamond, semiconductor, electron, concentration, temperature, resistance, resistivity, donor, dopant, phosphorus, sulfur, silicon, hall, coefficient, negative | 6 February 2008      | Robert Huber    |
| EAST Search (USOCR, USPAT, USPGPUB, FPRS, JPO, EPO, DERWENT, IBM) - See Printout   | 6 - 12 February 2008 | Robert Huber    |
| Scitation.com Search - Keywords: n-type, diamond, phosphorus, silicon, sulfur, semiconductor. Also forward and backward searching.   | 7 - 11 February 2008 | Robert Huber    |
| SPE Thoa Le - Suggests to find structure limitations in prior art  | 11 February 2008     | Robert Huber    |
| Updated EAST search (USPAT, USPGPUB, USOCR, FPRS, EPO, JPO, DERWENT, IBM) - see printout   | 9/2/08               | RH              |
| search help and suggestions: Thao Le: silicon carbide with diamond structure   | 9/2/08               | RH              |
| Updated EAST serach (USPAT, USPGPUB, USOCR, FPRS, EPO, JPO, DERWENT, IBM) - see printout   | 2/24/09              | RH              |
| Updated EAST search (USPAT, USPGPUB, USOCR, FPRS, EPO, JPO, DERWENT, IBM) - see printout   | 8/29/09              | RH              |
| Updated EAST search (USPAT, USPGPUB, USOCR, FPRS, EPO, JPO, DERWENT, IBM) - see printout   | 1/29/10              | RH              |

## INTERFERENCE SEARCH

| <b>Class</b> | <b>Subclass</b> | <b>Date</b> | <b>Examiner</b> |
|--------------|-----------------|-------------|-----------------|
|              |                 |             |                 |